

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant:	EnerVest Operating, L.L.C.	)	
		)	
Relief Sought:	Re-Pooling VC-503721 Nora Grid 82-AS	)	
	Nora Coalbed Gas Field	)	
Legal		)	
Description:		)	
	A.B. Nichols T-615 Tract	)	Docket Number:
	241.49 acres, more or less	)	VGOB-05-0621-1467-02
	Hurricane District	)	
	Prater Quadrangle	)	
	Buchanan County, Virginia	)	
		)	
	(See Exhibit "A" For Specific	)	
	Description)	)	

APPLICATION

1. Parties: Applicant herein is EnerVest Operating, L.L.C., whose address for the purposes hereof is 406 West Main Street, P. O. Box 2136 Abingdon, Virginia 24212 Telephone: (276) 628-9001. The attorney for Applicant is Timothy E. Scott, MCKINNIS & SCOTT, whose address is 135 West Main Street, Suite 200, Kingsport, Tennessee 37660, Telephone: (423) 247-9376. The unleased entities or persons are listed on Exhibit B-3, attached hereto and made a party hereto. Set forth in Exhibit B is the name and last-known address of each owner of record identified by Applicant as having an interest in the oil, gas and coalbed methane underlying the unit described in Exhibit A, attached hereto and made part hereof. Each of the unleased individuals named in Exhibit B-3 is being made a party if living; if any such individual is deceased, then the unknown heirs, executors, administrators, devisees, trustees and assignees, both immediate and remote, of any such deceased individual are made parties herein. Each of the unleased entities listed in Exhibit B-3 that is a corporation is being made a party if such entity continues to have legal existence, and if any such corporation is dissolved, then the unknown successors, trustees, and assigns, both immediate and remote, of such dissolved corporation are made parties herein. Each of the unleased entities listed in Exhibit B-3 that is an unincorporated association is being made a party if such entity continues to have legal existence, and if any such unincorporated association is dissolved or otherwise not in existence, then the unknown successors, trustees and assigns, both immediate and remote, of such unincorporated association are made parties herein.

2. Allegation of Facts: Applicant is the owner of the right to develop and produce coalbed methane from all formations, from the surface to the total depth drilled within the Nora Coalbed Gas Field and underlying the lands described on Exhibit A attached hereto and made a part hereof and to appropriate the oil, gas and coalbed methane produced therefrom.

(a) Applicant has proposed a plan of development and operation of the Formations underlying the drilling unit involved herein (described and depicted on Exhibit A attached hereto and made a part hereof) and has proposed to commence such plan of development and operation of such unit by a well, designated as well number VC-503721 Nora Grid 82-AS under such plan in the lands involved herein so as to produce oil, gas and coalbed methane from the proposed unit.

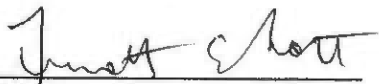
- (b) A Well work permit for well number VC-503721 Nora Grid 82-AS is currently or is anticipated to be pending before the Department of Mines, Minerals and Energy.
- (c) Applicant has exercised due diligence to locate each of the oil, gas and coalbed methane interest owners named herein at Exhibit B-3 and has made or is making a bona fide effort to reach an agreement with all unleased parties as to pooling their interest for the development and operation of the well involved herein. Simultaneously with the filing of this application, Applicant has provided notice to each of the unleased parties set forth in Exhibit B-3 pursuant to the provisions of § 45.1-361.19 of the Virginia Code Annotated. Applicant hereby notifies the Board that where the identity or location of any person is shown as "unknown" on Exhibit B-3, then Applicant is unable to provide such person with written notice of the application herein. Conflicting Owners/Claimants in the Subject Drilling Unit are listed in Exhibit E. The interest of all unleased persons in the Formations underlying the drilling unit for well number VC-503721 Nora 82-AS should be pooled for the development and operation thereof.
- (d) Applicant proposes to drill at the permitted location to an approximate depth of 2,267 feet on the Subject Lands to test for oil, gas and coalbed methane in the Subject Formations, including all Pennsylvanian age coals from the top of the Aily, including but not limited to Raven, Jawbone Rider, Jawbone, Tiller, Upper Seaboard, Greasy Creek, Upper Horsepen, Middle Horsepen, War Creek, Beckley, Lower Horsepen, Pocahontas #9, Pocahontas #3, Pocahontas #2, and Pocahontas #1 and any unnamed coal seams and other associated formations known as the Nora Coalbed Gas Field. Applicant estimates the cost for a well to said depth to be \$299,372.00 for a well completed for production. Exhibit C, attached hereto and made part hereof, is Applicant's signed Authorization For Expenditure ("AFE") which shows the estimated cost of drilling, completing and equipping said well.
- (e) The estimated production over the life of the proposed well is 350 mmcf. These figures concerning estimated production and the amount of reserves are, however, estimates only that are not based upon actual production and should not be relied upon for any purpose.

3. Legal Authority: The relief sought by this Application is authorized by Virginia Code Annotated § 45.1-361.21 et seq. and § 4 VAC 25-160-70 et seq.

4. Relief Sought: Applicant requests the Virginia Gas and Oil Board to enter an order pooling all unleased interests or estates of all persons or entities owning oil, gas and coalbed methane interests in the Formations underlying the tracts encompassed by the drilling unit supporting well number VC-537193 Nora Grid 82-AS, and (I) authorizing the drilling and operation of a well for the production of oil, gas and coalbed methane from the pooled acreage; (II) designating Applicant as the party authorized to drill and operate such well; (III) prescribing the time, manner, and other conditions under which unleased parties owning an interest in the oil, gas and coalbed methane may elect to participate in the operation of such well, or to exercise their rights of election under the applicable statutes; (IV) providing that all reasonable costs and expenses of drilling, completing, equipping, operating, plugging and abandoning such well shall be borne, and all production therefrom, shared, by all participating parties in the proportion which the acreage in the pooled tracts owned or under lease to each such participating party bears to the total acreage in such unit; and (V) making provision for the payment of all reasonable costs of the operation, including a reasonable supervision fee, to the Applicant by all parties who elect to participate therein or who elect to be carried interest owners.

Dated this 17<sup>th</sup> day of February, 2017.

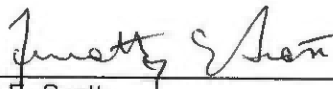
ENERVEST OPERATING, L.L.C



Timothy E. Scott  
MCKINNIS & SCOTT  
135 West Main Street, Suite 200  
Kingsport, Tennessee 37660  
(423) 247-9376

**VERIFICATION**

The foregoing Application to the best of my knowledge, information and belief is true and correct.



Timothy E. Scott

MCKINNIS & SCOTT

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant: EnerVest Operating, L.L.C. )  
)  
)  
Relief Sought: Re-Pooling )  
)  
)  
Location: See Exhibit "A" ) Docket No.  
Well Number: VC-503721 Nora Grid 82-AS ) VGOB-05-0621-1467-02  
Nora Coalbed Gas Field )  
)  
)  
Legal )  
Description: A.B. Nichols T-615 Tract )  
241.49 acres, more or less )  
Hurricane District )  
Prater Quadrangle )  
Buchanan County, Virginia )

NOTICE OF HEARING

HEARING DATE: March 21, 2017  
PLACE: Russell County Conference Center  
Highland Drive  
Lebanon, Virginia  
TIME: 9:00 a.m.

COMMONWEALTH OF VIRGINIA: To all unleased persons owning an interest in the oil, gas and coalbed methane in and underlying the unit surrounding VC-503721 Nora Grid 82-AS as described on Exhibit "A" to the Application, which is attached to this Notice, in Buchanan County, Virginia (hereinafter "Subject Lands") and adjacent lands, and in particular to the following persons, their known and unknown heirs, executors, administrators, devisees, trustees, assigns and successors, both immediate and remote:

See attached Exhibit B-3.

NOTICE IS HEREBY GIVEN that the Applicant is requesting that the Virginia Gas and Oil Board (hereinafter "Board") issue an order pooling all the rights, interests, and estates of the unleased persons pursuant to Virginia Code Ann. § 45.1-361.1 *et seq.* in regard to the drilling, development and production of oil, gas and coalbed methane from drilling unit VC-503721 Nora Grid 82-AS, containing approximately 58.77 acres, located on the above-referenced tracts situated approximately 4,630 feet northeast of the intersection of Virginia State Route 663 and Herringbone Road and approximately 6,450 feet northwest of Breeding Chapel in the Hurricane District, Prater Quadrangle of Buchanan County, Virginia.

Applicant requests that the Board issue an order providing as follows:

- a. Pooling all the interests and estates of the persons named herein and their known and unknown heirs, executors, administrators, devisees, trustees, assigns and successors, both immediate and remote, for the drilling, development and production of oil, gas and coalbed methane from the subject drilling unit for the Subject Formations underlying and comprised of the Subject Lands;
- b. Establishing a procedure whereby each person named herein shall have the right to elect (1) to assign or lease his oil, gas and coalbed methane interest in the subject drilling unit to the designated operator; (2) to enter into a voluntary agreement with the designated operator

to share in the operation (including the sharing in all reasonable costs of the drilling of the well and development of the unit) at a rate of payment mutually agreed to by the person making the election hereunder and the designated operator herein; or (3) to share in the operation of the well as a nonparticipating operator on a carried basis after the proceeds allocable to such person's share equal the following:

In the case of a leased tract, 300 percent of the share of the costs allocable to such person's interest; or

In the case of an unleased tract, 200 percent of the share of costs allocable to such person's interest;

c. Providing that any person named herein who does not make a timely written election under the terms of the Order to be entered herein shall be deemed to have leased his oil, gas and coalbed methane interest in the subject drilling unit to the operator designated herein at a rate to be established by the Board;

d. Designating Applicant, EnerVest Operating, L.L.C., as Operator; providing that the Operator shall have the right to drill, develop, produce, market and sell oil, gas and coalbed methane produced from the subject drilling unit; granting the Operator the right to market and sell oil, gas and coalbed methane produced from the subject drilling unit which is attributable to the conflicting claims and interest pooled herein; providing that the Operator shall have an operator's lien on the oil, gas and coalbed methane estate and rights owned or claimed by the unleased persons named herein in the subject drilling unit; and granting the Operator the right to drill at any legal or specially permitted location on the subject drilling unit;

e. Making any necessary provision for the escrow of funds pursuant to Va. Code Ann. § 45.1-361.22;

f. Providing that the Order to be entered herein shall expire two (2) years from the date of its issuance if operations for the development of the subject drilling unit have not commenced by said date; but further providing that if operations have commenced during said two year period, then said order shall remain in effect for so long as operations continue on the subject drilling unit;

g. Providing that the conduct of operations on any tract in the subject drilling unit shall be deemed to be the conduct of operations on all tracts in the drilling unit; and providing that the production allocated to any tract in the pooled drilling unit shall be in the same proportion as the acreage of that tract bears to the total acreage in the drilling unit; and

h. Granting such other relief as is merited by the evidence and is just and equitable, whether or not such relief has been specifically requested herein.

NOTICE IS FURTHER GIVEN that this cause has been set for hearing and the taking of evidence before the Board at **9:00 a.m. on March 21, 2017** at the **Russell County Conference Center, Highland Drive**, Lebanon, Virginia, and that notice will be published as required by the law and the rules of the Board.

NOTICE IS FURTHER GIVEN that you may attend this hearing, with or without an attorney, and offer evidence or state any comments you have. The Board rules require that any written objections you wish to file must be filed with the Board at least 10 days before the hearing. For further information, contact the Virginia Gas and Oil Board, State Gas and Oil Inspector, Department of Mines, Minerals and Energy, Division of Gas and Oil, 135 Highland Drive, Lebanon, Virginia, 24266, (276) 415-9650 or the Applicant at the address shown below.

DATED this 17<sup>th</sup> day of February, 2017.

EnerVest Operating, L.L.C.  
406 West Main Street  
P. O. Box 2136  
Abingdon, Virginia 24212

  
\_\_\_\_\_  
Timothy E. Scott

MCKINNIS & SCOTT,  
of Counsel for  
EnerVest Operating, L.L.C.  
135 West Main Street  
Suite 200  
Kingsport, Tennessee 37660  
(423) 247-9376

CERTIFICATE OF SERVICE

I, Timothy E. Scott, of Counsel for EnerVest Operating, L.L.C., hereby certify that I have on this, the 17<sup>th</sup> day of February, 2017, caused the foregoing notice and application to be served upon parties listed herein, at their address, by certified mail, return receipt requested.

Dated this 17<sup>th</sup> day of February, 2017.



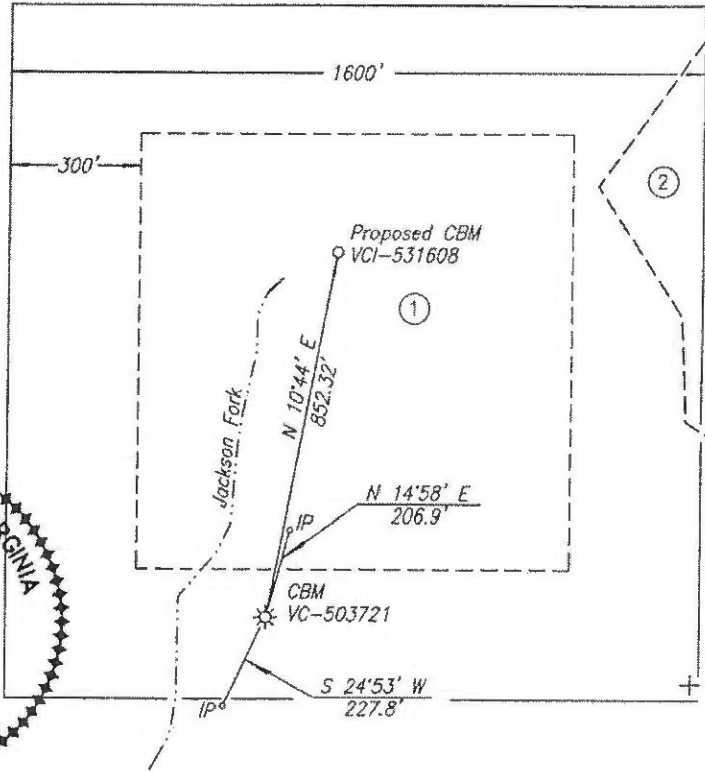
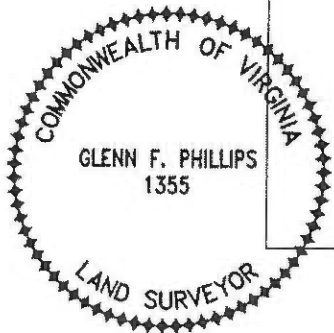
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Timothy E. Scott  
MCKINNIS & SCOTT

Well Coordinates: (Geographic N27)  
37.134803' -82.137613'

Latitude 37° 10' 00"

T-615  
A. B. Nichols, et al.  
241.49 Acres  
Heartwood Forestland Fund IV, L.P. - surface  
ACIN LLC - coal  
Alpha Land & Reserves LLC - coal lessee  
WBRD LLC - coal  
Dickenson-Russell Coal Company LLC - coal lessee  
EnerVest Energy Institutional Fund XIV-A, L.P.,  
EnerVest Energy Institutional Fund XIV-A1, L.P., &  
EnerVest Energy Institutional Fund XIV-WIC, L.P. -  
oil, gas & CBM  
Gas 56.61 Ac. 96.32%



Partial Lease No. 245731L  
R. I. Boyd Heirs - oil, gas & CBM  
30 Acres  
EnerVest Energy Institutional Fund XIV-A, L.P.,  
EnerVest Energy Institutional Fund XIV-A1, L.P., &  
EnerVest Energy Institutional Fund XIV-WIC, L.P. -  
oil & gas lessee  
Levisa Coal Co. - coal  
Gas 2.16 Ac. 3.68%

Longitude 82° 07' 30"  
11,615'

The boundary lines shown hereon are based on deeds, plats and maps of record and do not depict a current boundary survey. The property ownership information was provided by EQT Production Company.

FINAL EOT PLAT was dated 10-05-2010

**FINAL PLAT**

The undersigned hereby certifies that the final location is within ten (10') feet of the location shown on the well plat dated 10-25-2004.  
Area of Unit = 58.77 Ac.

Well Coordinates: (VA St. Plane S. Zone, Calculated from CGC coordinates)  
N 312,226 E 939,863

Well Coordinates: (Clinchfield Coal Co.)  
N 12,689.64 E 71,698.54

Well elevation determined by GPS survey from BM MCD 229

**WELL LOCATION PLAT (Nora Grid AS-82)**

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VC-503721  
TRACT NO. T-615 ELEVATION 1,959.9' QUADRANGLE Prater  
COUNTY Buchanan DISTRICT Hurricane SCALE 1" = 400' DATE 7-13-2016

This Plat is a new plat    ; an updated plat x; or a final location plat x

+ Denotes the location of a well on United States topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.

~~Licensed Professional Engineer or Licensed Land Surveyor~~

Exhibit A

**Exhibit "B"**  
**VC-503721**  
**Revised 2/7/2017**

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
<b>Coal Estate Only</b>				
1	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-WIC, L.P. Attn: Jim McKinney 408 West Main Street Abingdon, VA 24210 Tax # Minerals Only	Owner	96.32000000	56.61000000
2	Levisa Coal Company Attn: John Irvin 4710 Hunterwood Circle Richmond, TX 77469 Tax # Minerals Only	CNX Lessee	3.68000000	2.16000000
<b>TOTAL GAS ESTATE</b>			100.00000000	58.77000000
Percentage of Unit Leased		96.32000000		
Percentage of Unit Unleased		3.68000000		
Acreage in Unit Leased		56.61000000		
Acreage in Unit Unleased		2.16000000		

**Exhibit "B"**  
**VC-503721**  
**Revised 3/3/2017**

<b>Tract</b>	<b>Lessor</b>	<b>Lease Status</b>	<b>Interest Within Unit</b>	<b>Gross Acreage in Unit</b>
<b>Gas Estate Only</b>				
1	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-WIC, L.P. Attn: Jim McKinney 408 West Main Street Abingdon, VA 24210 Tax # Minerals Only	Owner	96.32000000	56.61000000
2	Tax # 2HH-190-028 Scott Boyd 210 County Line Road Cedar Bluff, VA 24609	Leased	0.065714286	0.038571429
	Larry Boyd 156 Burhead Drive Haysi, VA 24256	Leased	0.065714286	0.038571429
	Michael Boyd 518 Fish Pond Road Haysi, VA 24256	Leased	0.065714286	0.038571429
	James Boyd P.O. Box 416 Haysi, VA 24256	Leased	0.065714286	0.038571429
	Clyde Boyd P.O. Box 403 Clinchco, VA 24226	Leased	0.262857143	0.154285714
	Hazel Neely PO Box 155 Davenport, VA 24239	Leased	0.058412698	0.034285714
	Jeanette James 2371 Drill Road Honaker, VA 24260	Leased	0.058412698	0.034285714
	Judy and Jennings Boyd 3501 Boyds Ridge Road Vansant, VA 24656	Leased	0.058412698	0.034285714
	Brenda Sue Duty 1222 Boyds Ridge Road Vansant, VA 24256	Leased	0.058412698	0.034285714
	Ralph Boyd P.O. Box 122 Maxie, VA 24628	Leased	0.058412698	0.034285714
	Evelyn Coleman PO Box 97 Haysi, VA 24256	Leased	0.058412698	0.034285714

Juanita Maddox 1226 Calla Circle Fayetteville, NC 28303	Unleased	0.058412698	0.034285714
Arville Deel Heirs	Leased	0.058412698	0.034285714
Margie Wenner P.O. Box 313 Davenport, VA 24239	Leased	0.058412698	0.034285714
Arlene Deel 28131 Dickenson Hwy Haysi, VA 24256	Unleased	1.051428571	0.617142857
Jearl Fletcher 161 Dawnville Rd Apt J206 Dalton, GA 30721	Leased	0.087619048	0.051428571
Glenda Kay Fletcher 8864 Helen Henderson Highway Honaker, VA 24260	Leased	0.087619048	0.051428571
Christine M. Mack 4495 W Lynwest Dr Bloomington, IN 47404	Leased	0.087619048	0.051428571
Betty S. Fletcher 1281 Old Grissom Cr Rd Honaker, VA 24260	Leased	0.087619048	0.051428571
Bethel A. Shook 1950 SE Crowberry Dr Port St. Lucie, FL 34983	Leased	0.087619048	0.051428571
Gary T. Fletcher 5692 Deskins Rd Vansant, VA 24656	Leased	0.087619048	0.051428571
Ruby Perkins 1866 Little Prater Road Grundy, VA 24614	Leased	0.105142857	0.061714286
Laura Deel 3650 Kidder Road Almont, MI 48003	Leased	0.105142857	0.061714286
Opal Radcliffe 3460 E 75th Place Tulsa, OK 74136	Leased	0.105142857	0.061714286
Norman Boyd 1039 Controller Rd Vansant, VA 24656	Leased	0.105142857	0.061714286
Harmon Boyd 595 Dotson Ridge Ceres, VA 24318	Leased	0.105142857	0.061714286
Mary J McGlothlin Heirs: <i>Donald A. McGlothlin, Jr.</i>	Unleased	0.131428571	0.077142857

P.O. Box 580  
Lebanon, VA 24266

Wayne Talbert Burton, Sr.  
1010 N. Martintown Road  
McCormick, SC 29835

Unleased

0.043809524

0.025714286

Mary Louise LaPerla  
PO Box 188  
Davidson, MD 21035

Unleased

0.043809524

0.025714286

Joseph John LaPerla  
3123 Patrick Henry Dr Apt 332  
Falls Church, VA 22044

Unleased

0.043809524

0.025714286

Leah Ann McGlothlin  
2859 Kennel Gap Road  
Oakwood, VA 24631

Unleased

0.131428571

0.077142857

Kevin Timothy McGlothlin  
2285 Clifton Farm Rd.  
Honaker, VA 24260

Unleased

0.131428571

0.077142857

**Tract 2 Totals**

**3.68000000**

**2.16000000**

**TOTAL GAS ESTATE**

100.00000000

58.77000000

Percentage of Unit Leased  
Percentage of Unit Unleased

98.36444444  
1.63555556

Acreage in Unit Leased  
Acreage in Unit Unleased

57.81000000  
0.96000000

**Exhibit "B"**  
**VC-503721**  
**Revised 2/7/2017**

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
<b>Gas Estate Only</b>				
1	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-WIC, L.P. Attn: Jim McKinney 408 West Main Street Abingdon, VA 24210 Tax # Minerals Only	Owner	96.32000000	56.61000000
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1010 N. Martintown Road  
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0.131428571

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**Tract 2 Totals**

**3.68000000**

**2.16000000**

**TOTAL GAS ESTATE**

100.00000000

58.77000000

Percentage of Unit Leased  
Percentage of Unit Unleased

98.04901587  
1.95098413

Acreage in Unit Leased  
Acreage in Unit Unleased

57.62485714  
1.14514286

**Exhibit "B-3"**  
**VC-503721**  
**Revised 3/3/2017**

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
<b>Gas Estate Only</b>				
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	Leah Ann McGlothlin 2859 Kennel Gap Road Oakwood, VA 24631	Unleased	0.131428571	0.077142857
	Kevin Timothy McGlothlin 2285 Clifton Farm Rd. Honaker, VA 24260	Unleased	0.131428571	0.077142857
<b>TOTAL GAS ESTATE</b>			<b>1.63555556</b>	<b>0.96000000</b>

**Exhibit "B-3"**  
**VC-503721**  
**Revised 2/7/2017**

<b>Tract</b>	<b>Lessor</b>	<b>Lease Status</b>	<b>Interest Within Unit</b>	<b>Gross Acreage in Unit</b>
<b>Gas Estate Only</b>				
2	Tax # 2HH-190-028 Juanita Maddox 1226 Calla Circle Fayetteville, NC 28303	Unleased	0.058412698	0.034285714
	Arlene Deel 28131 Dickenson Hwy Haysi, VA 24256	Unleased	1.051428571	0.617142857
	Opal Radcliffe 3460 E 75th Place Tulsa, OK 74136	Unleased	0.105142857	0.061714286
	Norman Boyd 1039 Controller Rd Vansant, VA 24656	Unleased	0.105142857	0.061714286
	Harmon Boyd 595 Dotson Ridge Ceres, VA 24318	Unleased	0.105142857	0.061714286
	Mary J McGlothlin Heirs: Donald A. McGlothlin, Jr. P.O. Box 580 Lebanon, VA 24266	Unleased	0.131428571	0.077142857
	Wayne Talbert Burton, Sr. 1010 N. Martintown Road McCormick, SC 29835	Unleased	0.043809524	0.025714286
	Mary Louise LaPerla PO Box 188 Davidson, MD 21035	Unleased	0.043809524	0.025714286
	Joseph John LaPerla 3123 Patrick Henry Dr Apt 332 Falls Church, VA 22044	Unleased	0.043809524	0.025714286
	Leah Ann McGlothlin 2859 Kennel Gap Road Oakwood, VA 24631	Unleased	0.131428571	0.077142857
	Kevin Timothy McGlothlin 2285 Clifton Farm Rd. Honaker, VA 24260	Unleased	0.131428571	0.077142857
	<b>TOTAL GAS ESTATE</b>		<b>1.95098413</b>	<b>1.14514286</b>

# EQUITABLE PRODUCTION

Equitable Production Comp

1710 Pennsylvania Avenue  
Charleston, WV 25328  
(304) 348-3800

## AUTHORIZATION FOR EXPENDITURE

Well Name: 503721 VC-503721 (503721)	AFE Number: 2175037211A	
Operator: BigStoneGap 2005	AFE Date: 5/10/2005	
AFE Group: BigStoneGap 2005	AFE Type: Drilling	
Prospect: //	Job Start Date: Dickinson, VA	
Sec/Twp/Rge: //	County, State: Field:	
Location:	Depth: 0	
Well Type:	Prep. By:	
Surface Located:	ft. from line	
Long:	Lat:	
Xloc:	Yloc:	
Bottom Located:	ft. from line	
Long:	Lat:	
Xloc:	Yloc:	
Remarks:		
Working Interest: 0.000000000%	Before Casing: 0.000000000%	After Casing: 0.000000000%
Lease Name (ID): Unknown (Unknown)		NRI: 0.000000000%
Current BOPD: 0	Current MCFPD: 0	Current BWPD: 0
Expected BOPD: 0	Expected MCFPD: 0	Expected BWPD: 0

AFE Number	AFE Date	AFE Gross			AFE Net			
		Drilling	Completion	Total	Drilling	Completion	Total	
2175037211A	5/10/2005	\$122,899	\$176,474	\$299,372	\$0	\$0	\$0	
Intangible								
180013	CONTRACT FOOTAGE				Drilling	Dry Hole	Completion	Total
180015	DAYWORK				\$35,705	\$35,705	\$0	\$35,705
180030	CONTRACTOR SETUP				\$0	\$0	\$0	\$0
180049	LEGAL SERVICES, TITLE CURATI				\$1,500	\$1,500	\$0	\$1,500
180061	GPS, SURVEY, WELL PLAT, PERMI				\$1,800	\$1,800	\$0	\$1,800
180075	DIRECTIONAL SERVICE & TOOLS/				\$5,000	\$5,000	\$0	\$5,000
180093	LOCATION PIT LINERS				\$0	\$0	\$0	\$0
180094	LOCATION CONSTRUCTION, DOZ				\$3,000	\$3,000	\$0	\$3,000
180096	ROCKING, CULVERTS & STONE L				\$24,000	\$24,000	\$0	\$24,000
180111	PIT TREATMENT/RESTORATION/				\$7,000	\$7,000	\$0	\$7,000
180130	DRILLING MUD & CHEMICALS				\$8,000	\$8,000	\$0	\$8,000
180141	BITS, REAMERS, STABILIZERS, HA				\$0	\$0	\$0	\$0
180170	DRILLING WATER				\$0	\$0	\$0	\$0
180180	OPEN HOLE LOGGING				\$4,500	\$4,500	\$0	\$4,500
180201	SPECIAL LOGGING, SCIENCE, MU				\$0	\$0	\$0	\$0
180222	WELL TESTING, DST & PRODUCTI				\$0	\$0	\$0	\$0
180229	CEMENTING - CONDUCTOR / COA				\$0	\$0	\$0	\$0
180231	CEMENTING - SURFACE CASING (				\$6,531	\$6,531	\$0	\$6,531
180241	CEMENTING - INTERMEDIATE CA				\$0	\$0	\$0	\$0
180251	WELL KILLING/MISC. PUMPING/M				\$0	\$0	\$0	\$0
180281	SPECIAL DRILLING TOOLS, RENT				\$0	\$0	\$0	\$0
180299	TRANSPORTATION/TRUCKING C				\$0	\$0	\$0	\$0
180310	FISHING EXPENSES				\$0	\$0	\$0	\$0
180333	P & A COSTS INCLUDING RIG TIM				\$0	\$0	\$0	\$0
180341	SURFACE DAMAGES, LOCATION				\$5,000	\$5,000	\$0	\$5,000
180720	OPERATOR OVERHEAD				\$4,000	\$4,000	\$0	\$4,000
180731	CONSULTING SERVICES RIG SUPE				\$1,800	\$1,800	\$0	\$1,800
180733	LAND CONTRACTOR COST				\$7,500	\$7,500	\$0	\$7,500
180751	CONTINGENCY, OTHER, MISCELL				\$0	\$0	\$0	\$0
180971	REGULAR WAGE				\$0	\$0	\$0	\$0
181021	SERVICE RIG / COILED TUBING &				\$0	\$0	\$5,500	\$5,500
181071	PERFORATING, CASING HOLE LOG				\$0	\$0	\$9,000	\$9,000
181101	CEMENTING - PROD. CASING (FL				\$0	\$0	\$12,913	\$12,913
181122	SERVICE COMPANY, NITROGEN,				\$0	\$0	\$39,606	\$39,606
181131	SQUEEZE, MISC. CEMENTING & P				\$0	\$0	\$0	\$0

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Exhibit C

# EQUITABLE PRODUCTION

Equitable Production Comp

1710 Pennsylvania Avenue  
 Charleston, WV 25328  
 (304) 348-3800

## AUTHORIZATION FOR EXPENDITURE

Well Name: 503721 VC-503721 (503721)	AFE Number: 217503721IA
Operator: BigStoneGap 2005	AFE Date: 5/10/2005
AFE Group: BigStoneGap 2005	AFE Type: Drilling
Prospect: //	Job Start Date: Dickinson, VA
Sec/Twp/Rge: //	County/State: Dickinson, VA
Location: //	Field: //
Well Type: //	Depth: //
Surface Located: //	ft. from line
Long: //	Lat: //
Bottom Hole Located: //	ft. from line
Long: //	Lat: //
Remarks: //	ft. from line
Working Interest: 0.00000000%	Before Casing: 0.00000000%
Lease Name (ID): Unknown (Unknown)	After Casing: 0.00000000%
Current BOPD: 0	Current MCFPD: 0
Expected BOPD: 0	Expected MCFPD: 0
	Current BWPD: 0
	Expected BWPD: 0

Intangible	Notes	Drilling	Dry Hole	Completion	Total
181141	TANKS/PITS/DOZER-COMPLETIO	\$0	\$0	\$7,600	\$7,600
181151	PIPELINE CONSTRUCTION & REC	\$0	\$0	\$20,147	\$20,147
181161	WATER HAULING IN-COMPLETIO	\$0	\$0	\$5,000	\$5,000
181202	WELLHEAD TIE IN, LABOR, ETC.	\$0	\$0	\$3,300	\$3,300
181215	DRILLING/FRAC FLUID DISPOSAL	\$0	\$0	\$0	\$0
181251	TRANSPORTATION/TRUCKING (C	\$0	\$0	\$0	\$0
181270	ENVIRONMENTAL COSTS	\$0	\$0	\$0	\$0
181701	CONSULTING SER, SUPERVISION	\$0	\$0	\$1,200	\$1,200
181751	CONTINGENCY, OTHER MISC CO	\$0	\$0	\$0	\$0
181971	REGULAR WAGES	\$600	\$600	\$0	\$600
181992	OTHER BENEFITS	\$0	\$0	\$0	\$0
<b>Total Intangible Cost :</b>		<b>\$115,936</b>	<b>\$120,936</b>	<b>\$104,266</b>	<b>\$220,202</b>
Tangible	Notes	Drilling	Dry Hole	Completion	Total
182019	PRODUCTION CASING: NEW	\$0	\$0	\$14,282	\$14,282
182022	CASING: CONDUCTOR & DRIVE	\$3,500	\$3,500	\$0	\$3,500
182030	SURFACE CASING	\$3,462	\$3,462	\$0	\$3,462
182036	NEW TUBING	\$0	\$0	\$7,808	\$7,808
182039	USED TUBING	\$0	\$0	\$0	\$0
182040	INTERMEDIATE CASING	\$0	\$0	\$0	\$0
182051	CASING HEAD, TUBINGHEAD, WE	\$0	\$0	\$2,735	\$2,735
182055	VALVES & FITTINGS	\$0	\$0	\$2,850	\$2,850
182060	GATHERING LINES	\$0	\$0	\$5,626	\$5,626
182061	PIPELINE FITTINGS & TIE IN FITT	\$0	\$0	\$4,000	\$4,000
182079	MEASUREMENT VALVES & FITTI	\$0	\$0	\$3,500	\$3,500
182099	NEW SEPARATOR, SEPARATOR P	\$0	\$0	\$1,700	\$1,700
182110	DRIPS	\$0	\$0	\$0	\$0
182120	HEATER TREATERS	\$0	\$0	\$0	\$0
182131	TANK & TANK HCP FITTINGS, TA	\$0	\$0	\$0	\$0
182151	ARTIFICIAL LIFT SURFACE VALV	\$0	\$0	\$6,200	\$6,200
182161	SUCKER RODS & DOWNHOLE PU	\$0	\$0	\$19,800	\$19,800
182181	CONTINGENCIES, OTHER	\$0	\$0	\$1,707	\$1,707
<b>Total Tangible Cost :</b>		<b>\$6,962</b>	<b>\$6,962</b>	<b>\$72,208</b>	<b>\$79,170</b>
<b>Total AFE Costs :</b>		<b>\$122,899</b>	<b>\$127,899</b>	<b>\$176,474</b>	<b>\$299,372</b>

Approved by:

*M. J. [Signature]*

Partner Approval:

Date: 5-17-05

5/16/2005 05:02 PM

Exhibit C

Exhibit

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